

CLAIMS

What is claimed is:

1. A shoe and boot cleaning device comprising:

5 a main housing, said main housing having a generally rectangular and internally hollow configuration;

at least one scraper blade, said scraper blade having a generally flat, rectangular configuration and extending generally upward from the top of said housing;

10 at least one brush, said brush having a linearly elongated, cylindrical configuration, and attached to said housing, so that said brush rests horizontally along its elongated axis, said brush comprising a cylindrical channel formed therethrough;

hard bristles, said hard bristles located along the exterior circumferential surface area of said brush;

15 a divider post, said divider post designed to provide lateral support to said brush and said scraper blade;

brush tension control means, said brush tension control means located on the exterior lateral surface of said main housing and designed to adjust a force required to rotate said brush, said brush tension control means comprising
20 a linearly elongated axle inserted through a threaded aperture and into said channel

and providing physical communication between said axle and said brush, said brush tension control means further comprising a tension spring and a friction plate, said tension spring disposed about said axle and said friction plate mounted at an end thereof adjacent to an end of said brush, said tension spring biased so as to provide and release force to said axle, said tension spring influenced by turning of a cylindrical knob portion threadably mounted to said axle;

brush cleaning means, said brush cleaning means located beneath said brush and designed to come into mechanical interference with any mud located on said brush; and

a drawer, said drawer located at the bottom of said shoe and boot cleaning device and designed to catch the debris that falls from said scraper blade and or said brush.

2. The shoe and boot cleaning device described in Claim 1, wherein said drawer is separable from said main housing to facilitate dumping of debris in a waste basket.

3. The shoe and boot cleaning device described in Claim 1, wherein said scraper blade is designed to remove any heavy buildup of debris when a shoe or boot bottom is rubbed against a top of said scraper blade.

4. The shoe and boot cleaning device described in Claim 1, wherein said scraper blade extends vertically upward from a top of said main housing.

5. The shoe and boot cleaning device described in Claim 1, wherein a plurality of brushes are positioned in a horizontal plane adjacent to and parallel with each other, wherein each of said plurality of brushes has an elongated axis parallel to each of said plurality of brushes in a same horizontal plane.

6. The shoe and boot cleaning device described in Claim 1 further comprising:
a lid, said lid coupled to said main housing;
a plurality of brushes powered by an electric motor; and
handles, said handles located on the exterior surface of said main housing and designed to facilitate transport of said main housing.

7. The shoe and boot cleaning device described in Claim 6 further comprising a plurality of belts coupled about said elongated axes of said brushes, said plurality of belts actuating rotational movement of said plurality of brushes via said electric motor.

8. The shoe and boot cleaning device of Claim 1, wherein rotation of said cylindrical knob portion in one direction expands said tension spring, said tension spring placing outward pressure on said friction plate, and said friction plate exerting force against said brush, thereby increasing rotational drag on said brush.

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9. The shoe and boot cleaning device of Claim 8, wherein rotation of said cylindrical knob portion in an opposite direction contracts said tension spring, said tensions spring releasing outward pressure on said friction plate, and said friction plate releasing force from said brush, thereby decreasing rotational drag on said brush.

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10. A shoe and boot cleaning device comprising:

a main housing;

a scraper blade, said scraper blade extending vertically upward from said main housing, said scraper blade affixed to a lateral sidewall of said main housing;

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at least one brush, said brush having a linearly elongated and cylindrical shaft and a hollow channel therethrough, said shaft housing a plurality of hard bristles perpendicularly depending exteriorly therefrom;

a divider post, said divider post vertically depending from a base of said main housing and intermediate to said brush and said scraper blade, said divider

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post providing lateral support to said brush and said scraper blade;

a brush cleaning means, said brush cleaning means affixed to a lateral sidewall of said main housing opposite to said scraper blade and positioned below said brush, said brush cleaning means aligned so that a top edge of said brush cleaning means removes debris from said brush;

a brush tension control means, said brush tension control means located along one of said lateral sidewalls of said main housing and provided to adjust a force required to rotate said brush, said brush tension control means comprising a linearly elongated axle inserted through a threaded aperture and into said channel and providing physical communication between said axle and said brush, said brush tension control means further comprising a tension spring and a friction plate, said tension spring disposed about said axle and said friction plate mounted at an end thereof and adjacent to an end of said brush, said tension spring biased so as to provide force to said axle, said tension spring influenced by turning of a cylindrical knob portion threadably mounted to said axle; and

a drawer, said drawer removably attached to a bottom of said main housing, said drawer provided for housing debris collected from said scraper blade and said brush.

11. The shoe and boot cleaning device of Claim 10 further comprising:

a lid, said lid coupled to said main housing;

a plurality of brushes, said plurality of brushes aligned parallel to one another;

an electric motor, said electric motor coupled to said plurality of brushes via a plurality of belts, said plurality of belts coupled about said shaft and said electric motor, thereby providing rotational motion to said plurality of brushes when said electric motor is actuated; and

a plurality of handles, said plurality of handles positioned along an exterior surface of said main housing and provided for facilitating transport of said main housing.

12. The shoe and boot cleaning device of Claim 11, wherein said electric motor is actuated by an on/off switch, said electric motor rotating said plurality of brushes in relation to rotational drag set by said cylindrical knob portion.

13. The shoe and boot cleaning device of Claim 10, said scraper blade placed into a fixed position relative to said main housing, said scraper bladed adjustable between a front of said main housing and a back of said main housing.

14. The shoe and boot cleaning device of Claim 10, wherein rotation of said

cylindrical knob portion in one direction expands said tension spring, said tension spring placing outward pressure on said friction plate, and said friction plate exerting force against said brush, thereby increasing rotational drag on said brush.

- 5 15. The shoe and boot cleaning device of Claim 14, wherein rotation of said cylindrical knob portion in an opposite direction contracts said tension spring, said tensions spring releasing outward pressure on said friction plate, and said friction plate releasing force from said brush, thereby decreasing rotational drag on said brush.